

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-015609**Date Inspected:** 13-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Yang Bai Qiang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Umesh Gaikwad was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

Bay # 04, OBG Deck Panel (NWIT # 6185)

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% and random Visual Testing (VT) and green tagging of the area previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated UT report for this date. The members are identified as OBG Components. The weld designations reviewed are as follows.

DP3124-001-001~008 (Green Tag No. # 11862)

Bay # 04, Deck Panel

QA inspector performed conventional Ultrasonic Testing (UT) Inspection of approximately 10% for Lack of Penetration (LOP) on deck panel weld areas previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated UT report for this date. The members are identified as Deck Panel. The weld designations reviewed are as follows.

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## WELDING INSPECTION REPORT

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13BE-DP3086-001-001~006, 111~116

13CW-DP3151-001-001~006, 138~141, 173, 174, 176~181

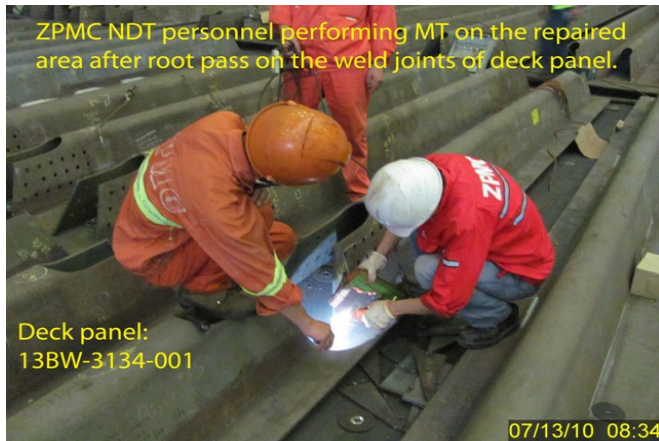
This Quality Assurance (QA) Inspector observed the following work in progress:

BAY 04, DECK PANEL REPAIR

13BW-DP3134-001

This QA inspector observed that ZPMC NDT personnels were performing Magnetic Particle Testing (MT) on the repaired area after root pass on the weld joints of above mentioned deck panel. Attached photograph provides additional details.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang : 15000422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Gaikwad,Umesh
<b>Reviewed By:</b>	Carreon,Albert

Quality Assurance Inspector

QA Reviewer